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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/913,803 09/22/97 BOCCON-GIBOD

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EXAMINER

ONLINE FILE	ART UNIT	PAPER NUMBER
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2712

DATE MAILED:

01/21/00

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Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No. 08/913,803	Applicant(s) Boccon-Gibod et al
Examiner Christopher Onuaku	Group Art Unit 2712

Responsive to communication(s) filed on _____

This action is **FINAL**.

Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle* 1035 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claim

Claim(s) 1-16 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

Claim(s) _____ is/are allowed.

Claim(s) 1-16 is/are rejected.

Claim(s) _____ is/are objected to.

Claims _____ are subject to restriction or election requirement.

Application Papers

See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

The drawing(s) filed on _____ is/are objected to by the Examiner.

The proposed drawing correction, filed on _____ is approved disapproved.

The specification is objected to by the Examiner.

The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

All Some* None of the CERTIFIED copies of the priority documents have been received.

received in Application No. (Series Code/Serial Number) _____.

received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

Notice of References Cited, PTO-892

Information Disclosure Statement(s), PTO-1449, Paper No(s). 3

Interview Summary, PTO-413

Notice of Draftsperson's Patent Drawing Review, PTO-948

Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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DETAILED ACTION

Specification

1. The numbering of claims is not accordance with 37 CAR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claims 1,2,3,4,6,7,8,9,10,11,12,13,15,16,21&20 have been renumbered 1-16, respectively. It is pertinent to point out that in the numbering of the claims, there were no claims numbered claim 5, claim 14, claim 17, claim 18 and claim 19.

Abstract

2. This application does not contain an abstract of the disclosure as required by 37 CAR 1.72(b). An abstract on a separate sheet is required.

Claim Objection

3. Claim 15 (formerly claim 20) is objected to because of the following informalities: Claim 15 depends on claim 16 (formerly claim 21). This is inappropriate because claim 15 precedes independent claim 16. Appropriate correction is required.

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Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

5. Claims 1-11 & 13-16 are rejected under 35 U.S.C. 102(e) as being anticipated by Lane et al (US 5,933,567).

Regarding claim 1, Lane et al disclose in Fig.17,18&19 digital video recorder capable of recording and/or reproducing recorded video images stored in the form of compressed digital data for use during fast forward, search and reverse modes of video recorder playback operation comprising the method steps of:

- a) selecting one of plurality of “video programs” for reproduction (see col.55, line 54 to col.56, line 45);
- b) selecting reproduction speed for the one of the plurality of “video programs” (see col.56, line 21 to col.57, line 13);
- c) selecting digitally encoded signal from a set of signals corresponding to one of the plurality of programs responsive to the reproduction speed (see col.55, line 54 to col.57, line 13);

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- d) reproducing digitally encoded signal from the set of signals (see col.55, line 55 to col.59, line 33);
- e) jumping to different ones of the encoded set of signals for the reproduction in accordance with the predetermined jump points in response to subsequent selections of different reproduction speed (see col.57, lines 14-67);
- f) decoding the reproduced signals for display of the selected program at the selected reproduction speed (see sync block header detection circuit 1602; and col.56, lines 5-20).

Regarding claim 2, Lane discloses the step of arranging the “jump” points in a “nested pattern”(see Fig. 12a,b,c & Fig.13a-d).

Regarding claims 3&4, Lane discloses the step of generating one signal of the digitally encoded set of signals for reproduction at a normal speed and other than normal speed (see Fig.11 and col.54, line 43 to col.55, line 29).

Regarding claim 5, Lane discloses the step of generating the other ones of the set for reproduction with a bit rate less than a bit rate of the one signal for reproduction at the normal play speed (see col.36, lines 50-64).

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Regarding claim 6, Lane discloses the step of assembling the "jump points" as look up tables (see col.57, lines 3-57).

Regarding claim 7, Lane discloses the step of arranging the look up tables in groups where each one of the groups of the look up tables is specific to a reproduction speed (see col.56, lines 21-32)

Regarding claim 8, Lane discloses the claimed:

- a) means for storing a plurality of program records wherein each program record having a set of digitally encoded signal records(see col.38, lines 7-26);
- b) means for linking each of the encoded signal record(see col.57, lines 3-13); and
- c) wherein each set of digitally encoded signal records having records of differing sizes for reproducing at a plurality of speeds (see col.57, lines 35-48).

Regarding claim 9, the claimed limitations of claim 10 are accommodated in the discussions of claim 8 above.

Regarding claim 10, Lane discloses wherein the predetermined jump points represent addresses of digital images which substantially correspond with one another in the recorded signals (see col.57, lines 35-48).

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Regarding claim 11, the claimed limitations of claim 12 are accommodated in the discussions of claim 9 above.

Regarding claim 13, Lane discloses wherein a record for reproduction at a normal play speed represents a largest "byte" record (see col.36, lines 50-64).

Regarding claim 14, Lane discloses wherein records for reproduction at speeds other than a normal play speed represent records smaller than the normal play speed record and have sizes which decrease in proportion to reproduction speed (see col.36, lines 50-64).

Regarding claim 16, Lane discloses the claimed:

- a) storage device (see claim 9 discussions), and tables of predetermined addresses for use at different play speeds (see col.57, lines 35-48);
- b) transducing means (see heads 440 and Fig.11&18);
- c) control means (see Fig.18&19; and servo control circuit 1600; col.55, line 30 to col.59, line 33).

Regarding claim 15, Lane discloses wherein images are reproduced from a time which precedes the preceding version (see the reproduction process and Fig.18&19; col.55, line 30 to col.59, line 33).

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Allowable Subject Matter

7. Claim 12 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 12, the prior art of record fails to show or fairly suggest an apparatus for reproducing video programs where the apparatus comprises wherein the linking means comprises N sets of tables, each set comprises $(N-1)$ tables of the predetermined jump points for each of N reproduction speeds.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sakazaki et al (US 5,923,812) teach apparatus for recording and reproducing packetized data containing selectively recorded identification data.

8. Any inquiry concerning this communication or earlier communications from this examiner should be directed to Christopher Onuaku whose telephone number is (703) 308-7555. The examiner can normally be reached on Tuesday to Thursday from 7:30 am to 5:00 pm. The examiner can also be reached on alternate Monday.

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If attempts to reach the examiner by telephone is unsuccessful, the examiner's supervisor, Wendy Garber, can be reached on (703) 305-4929.

Any response to this action should be mailed to:

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or faxed to:

(703) 308-6306 and (703) 308-6296 (for formal communications intended for entry)

Or:

(703) 308-6306 and (703) 308-6296 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be direct to the Group receptionist whose telephone is (703) 305-4700.

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COO

1/12/00

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